

Converting Colors

XYZ(46.4533, 57.0610, 81.8587)

Have a look what the booklet for
XYZ(46.4533, 57.0610, 81.8587)
contains.

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Color

**XYZ(46.3511, 56.8571,
81.9303)**

Conversions

Conversions Part 1

Format	Color
Hex	81D3E4
RGB	129, 211, 228
RGB Percent	51%, 83%, 89%
CMY	0.4941, 0.1725, 0.1059
CMYK	0.43, 0.07, 0.00, 0.11
HSL	190°, 65%, 70%
HSV	190°, 43%, 89%
XYZ	46.3511, 56.8571, 81.9303
YIQ	188.4200, -54.3290, -12.0970

Conversions

Conversions Part 2

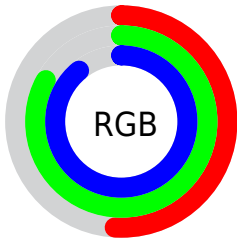
Format	Color
RYB	129, 174, 228
Decimal	8508388
CIELab	80.10, -20.66, -16.22
CIELCh	80, 26.269, 218.138
Yxy	56.8571, 0.2504, 0.3071
Android (android.graphics.Color)	4286698468 (0xFF81D3E4)
YUV	188.4200, 19.5129, -52.1113
Hunter-Lab	75.4036, -22.2313, -11.6394

Details

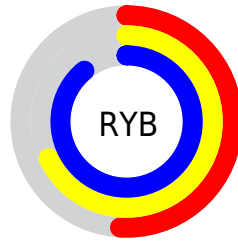
The XYZ color **46.3511, 56.8571, 81.9303** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.2372, 38.6377, 25.7912**, and the grayscale version is **47.9548, 50.4522, 54.9425**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **22.1038, 28.1718, 43.8079** is the 20% darker color. If you saturate the color by 10%, you get **42.3063, 53.3469, 81.4670**, and if you desaturate by 10%, it is **51.1957, 60.8174, 82.4404**.

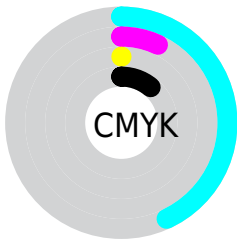
Distribution



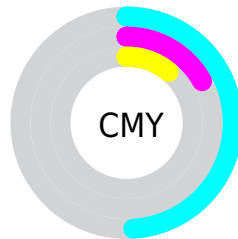
- Red (51%)
- Green (83%)
- Blue (89%)



- Red (51%)
- Yellow (68%)
- Blue (89%)



- Cyan (43%)
- Magenta (7%)
- Yellow (0%)
- Black (11%)



- Cyan (49%)
- Magenta (17%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3511, 56.8571, 81.9303 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 46.3511, 56.8571, 81.9303 by changing the saturation by 10% instead.

46.3511, 56.8571,
81.9303

46.3511, 56.8571,
81.9303

362.9107,
412.9136, 521.2918

32.7288, 40.8905,
60.7726

83.9689, 100.2566,
137.9121

22.0770, 28.2336,
43.6123

108.6950,
128.4584, 173.5732

14.0304, 18.5018,
30.0309

137.8531,
161.5074, 214.9059

8.2237, 11.3108,
19.6098

171.8085,
199.7879, 262.3287

4.2914, 6.2763,
11.9305

210.9267,
243.6844, 316.2602

1.8683, 3.0138,
6.5744

255.5728,

0.5583, 1.1390,

293.5812, 377.1188

3.1230

306.1124,
349.8629, 445.3232

■ 0.0000, 0.0110,
1.1578

■ 0.0000, 0.0000,
0.0000

■ 46.3511, 56.8571,
81.9303

■ 46.3511, 56.8571,
81.9303

■ 42.3063, 53.3469,
81.4670

■ 51.1957, 60.8174,
82.4404

■ 39.0039, 50.2531,
81.0438


■ 56.8823, 65.2458,
82.9954


■ 36.3871, 47.5474,
80.6595


■ 63.4562, 70.1673,
83.5989


■ 34.3883, 45.1947,
80.3107


■ 70.9579, 75.6029,
84.2527


 32.9255, 43.1524,
79.9936


 79.4254, 81.5726,
84.9587

 32.1699, 41.9338,
79.7982

 84.8069, 85.9878,
85.5272

 85.9369, 88.2478,
85.9039

 87.0917, 90.5575,
86.2889

 88.2715, 92.9170,
86.6821

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.4887, 56.8571, 66.1703



46.3511, 56.8571, 81.9303



50.3022, 56.8571, 93.4534

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.3511, 56.8571, 81.9303



64.1555, 56.8571, 73.5321



52.5985, 56.8571, 37.0947

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



46.3511, 56.8571, 81.9303



46.2372, 38.6377, 25.7912

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



57.9605, 56.8571, 38.4040



46.3511, 56.8571, 81.9303



64.8711, 56.8571, 57.8323

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.3511, 56.8571, 81.9303



60.6422, 56.8571, 88.0748



62.5375, 56.8571, 45.4459



47.9370, 56.8571, 41.5164

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.3511, 56.8571, 81.9303



53.7076, 56.8571, 96.2468



62.5375, 56.8571, 45.4459



54.3757, 56.8571, 36.8953

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



46.3528, 56.8593, 81.9316



82.0993, 90.6680, 107.7813



41.9475, 62.2149, 36.7900



17.1462, 19.0920, 23.0314



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.3528, 56.8593, 81.9316



55.0550, 69.2312, 105.0690



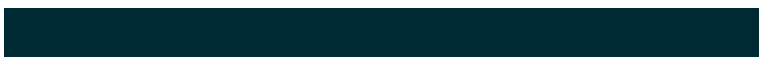
35.9786, 36.1108, 78.4736



14.5858, 15.8931, 18.4432



18.6528, 24.3678, 46.1035



1.4342, 1.9123, 3.4255

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



51.6045, 36.8992, 66.0328



62.8473, 41.1169, 81.1413



55.4737, 57.1105, 28.8700



14.8833, 14.5705, 17.5858



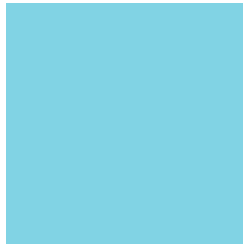
23.8086, 11.6577, 28.9508



1.7875, 0.8727, 2.2876

Previews

White Background



This preview shows how the XYZ color 46.3511, 56.8571, 81.9303 looks on a white background.

Color Contrast Check

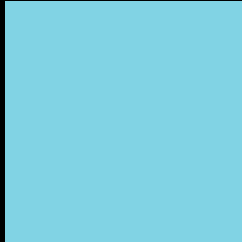
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 46.3511, 56.8571, 81.9303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.3511, 56.8571, 81.9303

Background



This preview shows how black text looks on a background with the XYZ color 46.3511, 56.8571, 81.9303.



This preview shows how white text looks on a background with the XYZ color 46.3511, 56.8571,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

46.3511, 56.8571, 81.9303

Protanopia

55.0318, 56.1964, 74.9643

Deuteranopia

57.4549, 56.2455, 84.1722



Tritanopia

46.3511, 56.8571, 81.9303

Trichromacy



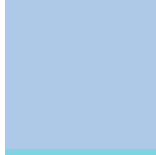
Original Color

46.3511, 56.8571, 81.9303



Protanomaly

50.8660, 55.7051, 77.1785



Deuteranomaly

52.5336, 56.0767, 83.6564



Tritanomaly

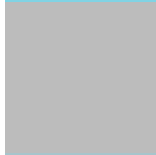
46.3511, 56.8571, 81.9303

Monochromacy



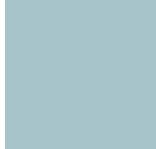
Original Color

46.3511, 56.8571, 81.9303



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

46.4558, 52.0071, 64.0898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3511, 56.8571, 81.9303 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(129, 211, 228)` looks like.

```
.text, #text, p{  
    color:rgb(129, 211, 228)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(129, 211, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 211, 228) }
```

Border

The CSS property to change the border of an element to XYZ 46.3511, 56.8571, 81.9303 is called "border". The border property can be set on classes, ids or directly on the HTML element.

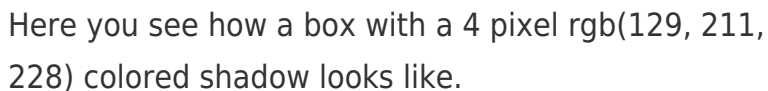
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(129, 211, 228) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(129, 211, 228) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(129, 211, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 211, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 211, 228); box-shadow:4px 4px 4px 4px rgb(129, 211, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3511, 56.8571, 81.9303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 211, 228) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(129,  
211, 228) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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